

## CLAIMS

1. Testing method for designing a semiautogenous or an autogenous grinding circuit with at least one ball mill for grinding ore, **characterized** in that the ore is  
5 tested in two separate testing steps using the same testing sample of ore.
2. Testing method according to the claim 1, **characterized** in that the first testing step is a semiautogenous testing step for calculating the required grinding energy.
- 10 3. Testing method according to the claim 1 or 2, **characterized** in that the second testing step is a Bond ball mill test to determine the ball mill energy for the predetermined particle size.
- 15 4. Testing method according to any of the proceeding claims, **characterized** in that the semiautogenous testing step is carried out in the ball mill having the diameter length ratio between 1:0.33 to 1:2.
5. Testing method according to any of the proceeding claims, **characterized** in  
20 that the sample is between 2 to 10 kg by weight of the ore to be tested.
6. Testing method of the claim 5, **characterized** in that the sample is between 6 to 9 kg by weight of the ore to be tested.